



## **Process for producing building materials from raw paint sludge**

**Description of Technology:** This invention relates generally to a process for producing building materials from paint sludge and in particular to a process for using raw paint sludge from paint booth operations in the manufacture of building materials such as asphalt, cement, concrete, mortar, and plaster.

### **Patent Listing:**

1. **US Patent No. 7,128,780**, Issued October 31, 2006, "Process for producing building materials from raw paint sludge"

<http://patft.uspto.gov/netacgi/nph-Parser?Sect2=PTO1&Sect2=HITOFF&p=1&u=%2Fnetacgi%2FPTO%2Fsearch-bool.html&r=1&f=G&l=50&d=PALL&RefSrch=yes&Query=PN%2F7128780>

**Market Potential:** Paint sludge poses a serious and expensive disposal problem for painting operations in manufacturing plants. When an object such as an automobile is painted in a booth, the excess paint is collected in a water curtain or in a water stream underneath floor grates beneath the paint booth. This material is known as paint sludge. Disposal of paint sludge is a problem of considerable complexity that faces paint booth operators. Currently available disposal technology is based upon the principles of incineration, chemical and physical treatment, and solidification. The resulting end product of such technology is typically used as landfill. However, the use of paint sludge for landfill has its limitations because of concerns for potential environmental hazards and the cost of special precautions needed to handle such waste materials.

Processing of paint sludge is time consuming and costly. Accordingly, there is need for a simple process that effectively uses all of the paint sludge solids generated by a paint booth facility.

None of the forgoing references suggest using liquid paint sludge directly as a component in concrete and cement type building materials.

### **Benefits:**

- Simpler process that effectively handles paint sludge
- Less expensive and time consuming

### **Applications:**

- Building materials

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